

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AS PCT RECEIVING OFFICE (RO/US)

International
Application No.: PCT/US2004/040321

International
Filing Date: 02 December 2004 (02.12.2004)

Applicant: THE REGENTS OF THE UNIVERSITY OF MICHIGAN, et al.

Title: GERANIOL SYNTHASE, METHODS OF PRODUCTION
AND USES THEREOF

Attorney Docket: 2115-2692/POA

Mail Stop PCT
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Attn: Authorized Officer Theodosia SIMPKINS

**RESPONSE TO INVITATION TO FURNISH NUCLEOTIDE AND/OR
AMINO ACID SEQUENCE LISTING RELATED THERETO COMPLYING
WITH STANDARD AND/OR TECHNICAL REQUIREMENTS**

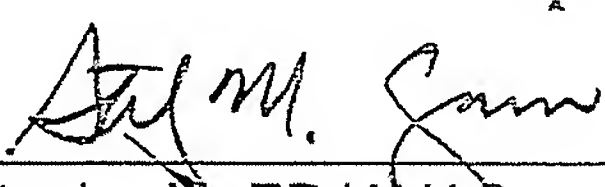
Madam:

In response to Form PCT/RO/225 mailed 24 January 2005, submitted herewith is an amino acid sequence listing in written form complying with the standard provided for in Annex C of the Administrative Instructions, a CD containing the sequence listing in computer readable form and an accompanying statement.

Should there be any questions regarding the present application or this Response, please direct all communications to the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: 24 February 2005

By: 
Stanley M. ERJAVAC
Reg. No. 38,442

Harness, Dickey & Pierce
P. O. Box 828
Bloomfield Hills, MI 48303
(248) 641-1600

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AS PCT INTERNATIONAL SEARCHING AUTHORITY

International
Application No.: PCT/US04/040321

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Filing Date: 02 December 2004

Applicant: The Regents of the University of Michigan, et al.

Title: GERANIOL SYNTHASE, METHODS OF PRODUCTION
AND USES THEREOF

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P. O. Box 1440
Alexandria, VA 22313-1450

Attn: Authorized Officer Theodosia SIMPKINS

STATEMENT FOR SEQUENCE LISTING AND COMPUTER READABLE FORMAT


Pursuant to the "Invitation to Furnish Nucleotide and/or Amino Acid Sequence Listing" mailed January 24, 2005, submitted herein is a CD containing computer readable form of the sequence listing for the above-referenced patent application in compliance with the requirements of Administrative Instructions Under the PCT, Annex C, Paragraphs 39 and 40.

I hereby state that the sequence listing information recorded in computer readable form is identical to the written (paper version) sequence listing being submitted herein and does not go beyond the disclosure of the above referenced patent application.

Dated: 02/22/05

Harness, Dickey & Pierce, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
248-641-1600
MIL/csd

Respectfully submitted,



Michael J. Lang, Ph.D.
Reg. No. 51,120

Untitled.ST25
SEQUENCE LISTING

<110> The Regents of the University of Michigan

<120> Geraniol Synthase, Method of Production and Uses Thereof

<130> 2115-002692

<160> 2

<170> PatentIn version 3.3

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<211> 1704

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<213> Ocimum basilicum

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<301> Iijima,Y., Gang,D.R., Lewinsohn,E. and Pichersky,E.

<302> Characterization of geraniol synthase from the peltate glands of
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<303> Plant Physiol.

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Untitled.ST25

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 <302> Characterization of geraniol synthase from the peltate glands of
 sweet basil
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Untitled.ST25

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35 40 45

Thr Pro Leu Ile Asn Gly Asp Asn Ser Gln Arg Lys Asn Thr Arg Gln
50 55 60

His Met Glu Glu Ser Ser Ser Lys Arg Arg Glu Tyr Leu Leu Glu Glu
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Lys Leu Ile Asp Asn Ile Gln Gln Leu Gly Ile Gly Tyr Tyr Phe Glu
100 105 110

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115 120 125

Asp Leu Phe Thr Ala Ala Leu Arg Phe Arg Leu Leu Arg His Asn Gly
130 135 140

Ile Glu Ile Ser Pro Glu Ile Phe Leu Lys Phe Lys Asp Glu Arg Gly
145 150 155 160

Lys Phe Asp Glu Ser Asp Thr Leu Gly Leu Leu Ser Leu Tyr Glu Ala
165 170 175

Ser Asn Leu Gly Val Ala Gly Glu Glu Ile Leu Glu Glu Ala Met Glu
180 185 190

Phe Ala Glu Ala Arg Leu Arg Arg Ser Leu Ser Glu Pro Ala Ala Pro
195 200 205

Leu His Gly Glu Val Ala Gln Ala Leu Asp Val Pro Arg His Leu Arg
210 215 220

Met Ala Arg Leu Glu Ala Arg Arg Phe Ile Glu Gln Tyr Gly Lys Gln
225 230 235 240

Ser Asp His Asp Gly Asp Leu Leu Glu Leu Ala Ile Leu Asp Tyr Asn
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Gln Val Gln Ala Gln His Gln Ser Glu Leu Thr Glu Ile Ile Arg Trp
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Trp Lys Glu Leu Gly Leu Val Asp Lys Leu Ser Phe Gly Arg Asp Arg

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Tyr Ser Ser Val Arg Ile Glu Leu Ala Lys Ala Ile Ser Ile Leu Leu		
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Val Ile Asp Asp Ile Phe Asp Thr Tyr Gly Glu Met Asp Asp Leu Ile		
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Leu Phe Thr Asp Ala Ile Arg Arg Trp Asp Leu Glu Ala Met Glu Gly		
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Glu Ala Lys Trp Phe Asn Gly Gly Ser Ala Pro Lys Leu Glu Glu Tyr		
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Gly Asp Leu Ala Ser Cys Val Gln Leu Phe Met Lys Glu Lys Ser Leu		
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Untitled.ST25

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545					550					555					560
Asp	Ala	Leu	Phe	Phe	Thr	Gln									
				565											